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DATE MAILED: 01/06/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/074,173	02/12/2002	James R. Butler	31223-81765 (COS 810CIP)	5878
75	90 01/06/2004		EXAM	NER
Fina Technology, Inc.			DANG, THUAN D	
Attention: David	d J Alexander			
P.O. Box 674412			ART UNIT	PAPER NUMBER
Houston, TX 77267-4412			1764	

Please find below and/or attached an Office communication concerning this application or proceeding.

		V C				
	Application No.	Applicant(s)				
	10/074,173	BUTLER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Thuan D. Dang	1764				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period or - Failure to reply within the set or extended period for reply will, by statute. - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be tim v within the statutory minimum of thirty (30) day vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE:	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. 8 133).				
1) Responsive to communication(s) filed on 12 Fe	ebruary 2002.					
2a) This action is FINAL. 2b) This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)						
Application Papers						
9) The specification is objected to by the Examiner.						
10) \square The drawing(s) filed on $2/12/02$ is/are: a) \square accepted or b) \square objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. §§ 119 and 120						
Priority under 35 U.S.C. §§ 119 and 120 12)						
a)						
Attack of the State of the Stat						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	4) Interview Summary (5) Notice of Informal Pe	(PTO-413) Paper No(s) atent Application (PTO-152)				

Application/Control Number: 10/074,173

Art Unit: 1764

DETAILED ACTION

Election/Restriction

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-25, drawn to a catalytic process of dehydrogenation of alkyl aromatic to vinyl aromatic, classified in class 585, subclass 440.
- II. Claims 2 and 27, drawn to an apparatus, classified in class 422, subclass 197.

The inventions are distinct, each from the other because:

Inventions I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, the process as claimed can be practiced by another materially different apparatus or by hand such as a radial reactor.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and the search required for Group I is not required for group II, restriction for examination purposes as indicated is proper.

During a telephone conversation with Mr. Jackson on 12/23/03 a provisional election was made with traverse to prosecute the invention of Group I, claims 1-25.

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Affirmation of this election must be made by applicant in responding to this Office action. Claims 19 and 20 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPO 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-25 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-18 of U.S. Patent No. 6,380,449. Although the conflicting claims are not identical, they are not patentably distinct from each other because the conflicting claims also discloses dehydrogenating an alkyl aromatic compound, namely ethylbenzene, to a vinyl aromatic compound, namely styrene in a tubular reactor having mixing section substantially the same as the applicants' claimed reaction zone. There are several differences, namely alkyl aromatic compounds used in the presently claimed process such as diethylbenzene, alkylnaphthalene. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the conflicting process by using any alkyl aromatic compound as the feed to produce corresponding vinyl compounds since

it is expected that alkyl group of these compounds would be dehydrogenated in the conflicting reactor.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuan D. Dang whose telephone number is 571-272-1445. The examiner can normally be reached on Mon-Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Thuan D. Dang Primary Examiner Art Unit 1764

10074173.1st December 23, 2003

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